## SEQUENCE LISTING

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Henderson,, Ruth
Hsiao, Chulai
Karathanasis, Sotirios

<120> NOVEL HUMAN ESTROGEN RECEPTOR-BETA

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| cttaattctc | cttcctccta | caactgcagt | caatccatct | tacccctgga | gcacggctcc | 180  |
|            |            | tgtagacagc |            |            |            | 240  |
|            |            | cagcattccc |            |            |            | 300  |
| ggtcggcaga | ccacaagccc | aaatgtgttg | tggccaacac | ctgggcacct | ttctccttta | 360  |
| gtggtccatc | gccagttatc | acatctgtat | gcggaacctc | aaaagagtcc | ctggtgtgaa | 420  |
| gcaagatcgc | tagaacacac | cttacctgta | aacagagaga | cactgaaaag | gaaggttagt | 480  |
| gggaaccgtt | gcgccagccc | tgttactggt | ccaggttcaa | agagggatgc | tcacttctgc | 540  |
| gctgtctgca | gcgattacgc | atcgggatat | cactatggag | tctggtcgtg | tgaaggatgt | 600  |
| aaggcctttt | ttaaaagaag | cattcaagga | cataatgatt | atatttgtcc | agctacaaat | 660  |
| cagtgtacaa | tcgataaaaa | ccggcgcaag | agctgccagg | cctgccgact | tcggaagtgt | 720  |
| tacgaagtgg | gaatggtgaa | gtgtggctcc | cggagagaga | gatgtgggta | ccgccttgtg | 780  |
| cggagacaga | gaagtgccga | cgagcagctg | cactgtgccg | gcaaggccaa | gagaagtggc | 840  |
| ggccacgcgc | cccgagtgcg | ggagctgctg | ctggacgccc | tgagccccga | gcagctagtg | 900  |
| ctcaccctcc | tggaggctga | gccgccccat | gtgctgatca | gccgccccag | tgcgcccttc | 960  |
| accgaggcct | ccatgatgat | gtccctgacc | aagttggccg | acaaggagtt | ggtacacatg | 1020 |
| atcagctggg | ccaagaagat | tcccggcttt | gtggagctca | gcctgttcga | ccaagtgcgg | 1080 |
| ctcttggaga | gctgttggat | ggaggtgtta | atgatggggc | tgatgtggcg | ctcaattgac | 1140 |
| caccccggca | agctcatctt | tgctccagat | cttgttctgg | acagggatga | ggggaaatgc | 1200 |
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| atgtaccctc | tggtcacagc | gacccaggat | gctgacagca | gccggaagct | ggctcacttg | 1380 |
| ctgaacgccg | tgaccgatgc | tttggtttgg | gtgattgcca | agagcggcat | ctcctcccag | 1440 |
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| aacaagggca | tggaacatct | gctcaacatg | aagtgcaaaa | atgtggtccc | agtgtatgac | 1560 |
| ctgctgctgg | agatgctgaa | tgcccacgtg | cttcgcgggt | gcaagtcctc | catcacgggg | 1620 |

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                             360
Cys Val Glu Gly Ile Leu Glu Ile Phe Asp Met Leu Leu Ala Thr Thr
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                                              380
Ser Arq Phe Arq Glu Leu Lys Leu Gln His Lys Glu Tyr Leu Cys Val
                     390
                                          395
Lys Ala Met Ile Leu Leu Asn Ser Ser Met Tyr Pro Leu Val Thr Ala
                 405
                                      410
Thr Gln Asp Ala Asp Ser Ser Arg Lys Leu Ala His Leu Leu Asn Ala
             420
                                 425
                                                      430
Val Thr Asp Ala Leu Val Trp Val Ile Ala Lys Ser Gly Ile Ser Ser
                             440
                                                  445
Gln Gln Gln Ser Met Arg Leu Ala Asn Leu Leu Met Leu Leu Ser His
                         455
Val Arg His Ala Ser Asn Lys Gly Met Glu His Leu Leu Asn Met Lys
                     470
                                          475
Cys Lys Asn Val Val Pro Val Tyr Asp Leu Leu Glu Met Leu Asn
                 485
                                     490
Ala His Val Leu Arg Gly Cys Lys Ser Ser Ile Thr Gly Ser Glu Cys
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Ser Gln
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| Met T  | <400> 7<br>hr Gly Tyr  | ,  |
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